REMARKS

Claims 18-27 are now pending in this application. Reconsideration is requested.

Claim Rejections Under 35 U.S.C. § 103

The rejection of claims 1, 7, 9 and 17 as being unpatentable over Lingren et al., U.S. Patent No. 5,786,597; claims 2 and 12 as being unpatentable over Lingren in view of Griesmer et al., U.S. Patent No. 6,472,668; claims 3-5, 8, 10, 11 and 13-15 as being unpatentable over Lingren in view of Griesmer and further in view of Kato et al., U.S. Patent No. 5,727,954; and claims 6 and 16 as being unpatentable over Lingren in view of Griesmer and further in view of Berlad et al., U.S. Patent No. 6,388,258, are respectfully traversed to the extent that these grounds of rejection may be applied to claims 18-27 now pending in the application.

The claimed invention is directed to a radiographic sensor device having an improved high-voltage distribution to the cathode of a solid-state detector device, as shown in the exemplary embodiment of Fig. 1. Contrary to the present claimed invention, Lingren fails to disclose a high-voltage contact point provided on a surface of detector circuitry of a first detector portion of a sensor device, an insulated conductor electrically coupled at one end thereof to said high-voltage contact point and at another end thereof to a cathode of the solid-state detector, or a separable high-voltage interconnect coupled at one end thereof to a voltage source, and extending from said second signal processing portion so as to make contact with said high-voltage contact point upon connection of said second signal processing portion with said first detector portion. Lingren further fails to disclose a method of providing a high voltage to a cathode of a solid-state radiographic detector as set forth in claim 23.

Neither Fig. 2, nor Figs. 3a-3b, nor Fig. 4 of Lingren discloses any such structure or method. As shown in Fig. 5a in the upper left-hand corner thereof, Lingren merely discloses that a bias voltage is generally provided to all CZT crystals, without teaching any particulars of such provision.

Griesmer similarly fails to disclose the novel features of the claimed invention. Neither Fig. 3 nor Fig. 6 is seen to disclose any separable high-voltage interconnect as claimed. As shown in Fig. 3, a high-voltage is provided by a busbar 82, which is

connected to conductive strips 80 via resistors 92. The busbar 82 is connected at one end with a contact pin 88 to facilitate connection with a power supply 84 (see Fig. 6). The conductive strip 80 in turn covers an upper surface of each detector array 20. None of this structure is seen to even remotely correspond to the present invention as disclosed in Fig. 1 and as set forth in claims 18-27. Consequently, no combination of Lingren with Griesmer could result in the claimed invention.

The rejection relies upon Kato as disclosing a "separable interconnect" movable in a plane, and upon Berlad as disclosing a biased leaf spring as an interconnect; however neither of these secondary references makes up for the basic deficiency of the Lingren and Griesmer base references with respect to independent claims 18 and 23. Consequently, no combination of Kato and/or Berlad with Lingren or Griesmer or any combination thereof could result in the invention as specifically set forth in claims 18-27 now pending.

Conclusion

In view of the foregoing, claims 18-27 are submitted to be patentable over the prior art of record, whether considered individually or in combination. Withdrawal of the outstanding grounds of rejection and the issuance of a Notice of Allowance are earnestly solicited.

Please charge any fee or credit any overpayment pursuant to 37 CFR 1.16 or 1.17 to Deposit Account No. 02-2135.

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